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ABSTRACT

The invention relates to an electrical cell for the propulsion of a device in an aquatic medium.

The cell comprises a first (1), second (2) and third (3) chamber forming a housing. The chamber (1) comprises an auxiliary electrical cell (1<sub>0</sub>) and a command and control module (1<sub>1</sub>) for the electrical propulsion cell, the chamber (2) a main electrical cell (2<sub>11</sub>) and members for the controlled admission and the regulation of a flow of water from the aquatic medium in order to form an activation electrolyte for the main cell (2<sub>11</sub>), and the chamber (3) a module for triggering the admission by suction of water and the discharge by escape of effluents from an admission valve (3<sub>2</sub>) and an escape valve (3<sub>3</sub>). The command and control module (1<sub>1</sub>) permits the activation of the auxiliary electrical cell (1<sub>0</sub>) in order to generate electrical energy temporarily in the course of a launch stage and the admission by suction of water from the aquatic medium and the discharge of effluents in order to produce electrical energy from the main electrical cell (2<sub>11</sub>) during a cruise phase.

Application to submarine devices or surface devices.

Figure 1a.